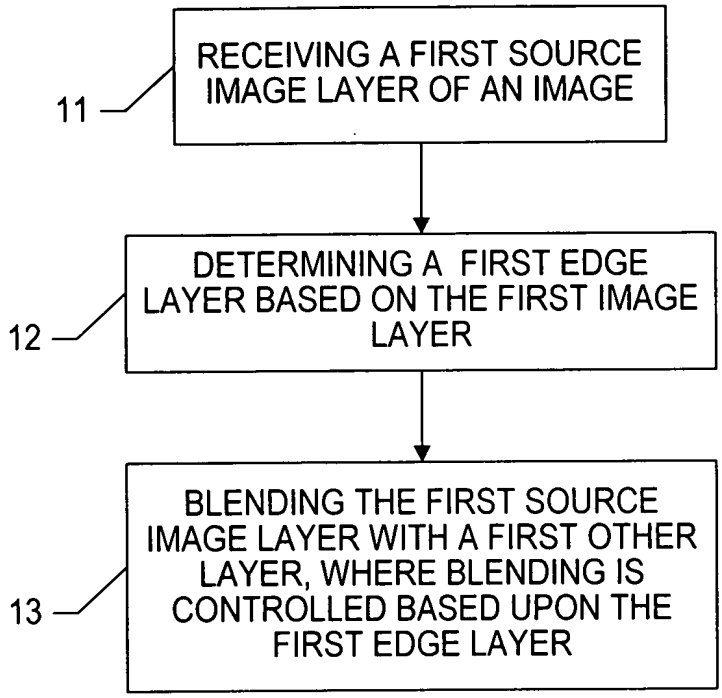
RECEIVING A FIRST SOURCE IMAGE LAYER OF AN IMAGE
11
DETERMINING A FIRST EDGE LAYER BASED ON THE FIRST IMAGE LAYER
12
BLENDING THE FIRST SOURCE IMAGE LAYER WITH A FIRST OTHER LAYER, WHERE BLENDING IS CONTROLLED BASED UPON THE FIRST EDGE LAYER
13

FIG. 1

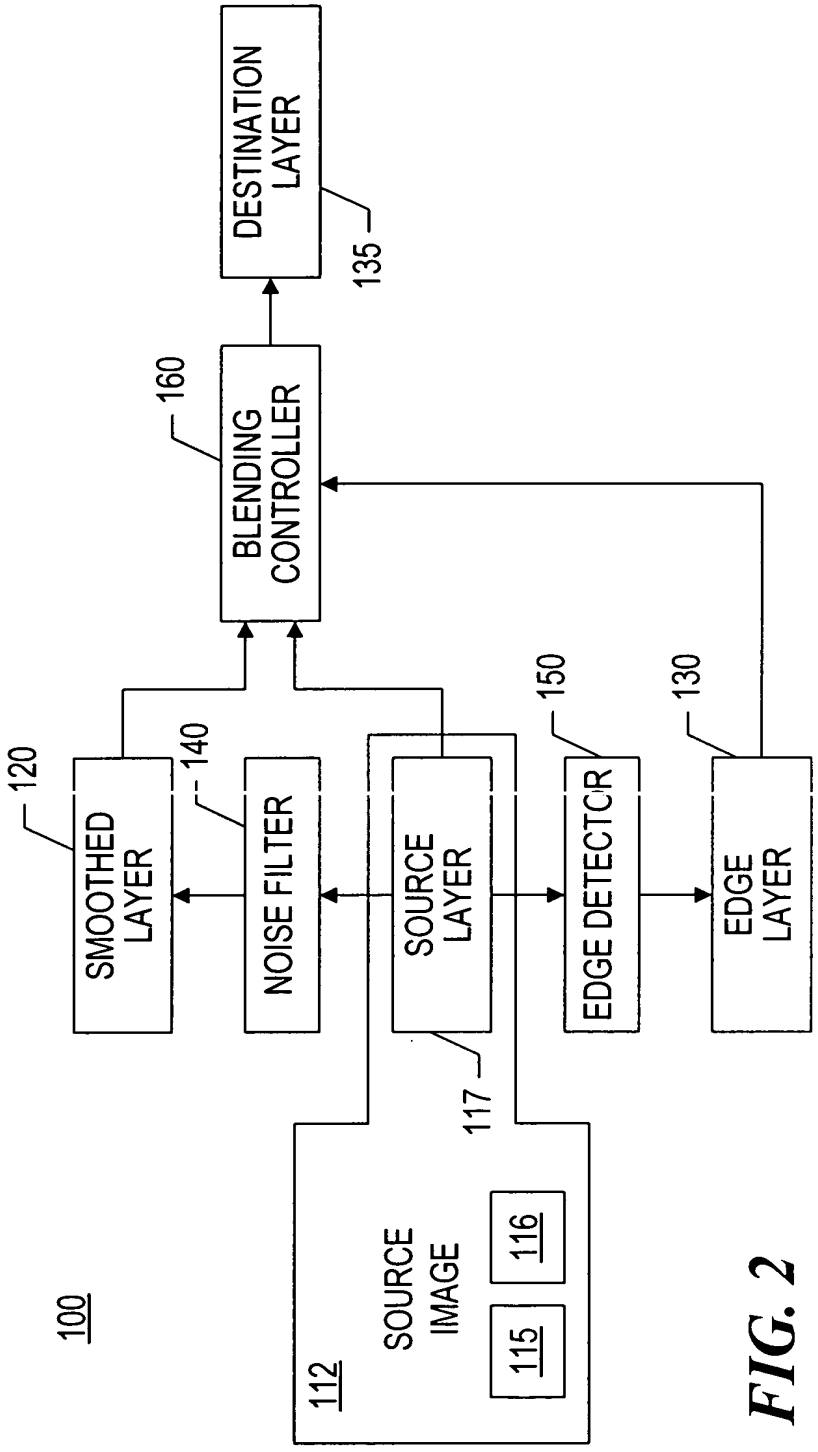
100
112
SOURCE IMAGE
115
116
117
SMOOTHED LAYER
120
NOISE FILTER
140
SOURCE LAYER
EDGE DETECTOR
150
EDGE LAYER
130
BLENDING CONTROLLER
160
DESTINATION LAYER
135

FIG. 2

211

	1	2	3	4	5	6	7	8	9	10
1	0	0	1	0	0	0	0	0	0	0
2	0	0	1	0	0	1	0	0	1	0
3	1	1	1	0	0	1	1	0	0	1
4	0	0	1	0	1	1	0	0	1	1
5	0	0	1	0	1	1	1	1	1	0
6	0	0	1	0	0	0	1	0	1	0
7	0	0	0	1	0	0	0	0	1	0
8	0	1	0	0	1	0	0	0	0	0
9	0	0	0	0	0	1	0	0	0	0
10	0	0	0	0	0	1	0	0	0	0

FIG. 3

	1	2	3	4	5	6	7	8	9	10
1	10	01	01	01	10	01	01	01	01	01
2	10	01	01	11	11	01	11	11	01	01
3	12	03	12	21	21	02	02	21	11	01
4	10	01	11	12	12	02	21	21	02	02
5	10	01	11	12	22	13	23	13	12	11
6	10	01	01	01	20	01	11	02	11	01
7	00	10	01	01	01	10	10	01	01	01
8	01	01	11	11	01	01	10	00	00	00
9	00	00	00	10	01	01	01	10	00	00
10	00	00	00	10	01	01	01	10	00	00

FIG. 9

212

	1	2	3	4	5	6	7	8	9	10
1	0	0	1	0	0	0	0	0	0	0
2	0	0	1	0	0	1	0	0	1	0
3	1	1	1	0	0	1	1	0	0	1
4	0	0	1	0	1	1	0	0	1	1
5	0	0	1	0	1	1	1	1	1	0
6	0	0	1	0	0	0	1	0	1	0
7	0	0	0	1	0	0	0	0	1	0
8	0	1	0	0	1	0	0	0	0	0
9	0	0	0	0	0	1	0	0	0	0
10	0	0	0	0	0	1	0	0	0	0

201

203

214

	1	2	3	4	5	6	7	8	9	10
1	50	32	32	42	51	21	31	41	21	11
2	42	15	34	63	72	23	43	62	32	22
3	52	25	54	84	94	45	84	93	44	24
4	52	25	54	75	95	37	86	95	55	34
5	60	43	63	65	94	46	85	76	55	34
6	40	32	53	64	83	54	84	46	44	33
7	21	22	33	53	72	62	91	53	42	22
8	11	21	22	42	33	32	51	41	21	11
9	01	11	21	41	13	13	22	30	10	10
10	10	10	20	40	12	12	12	20	00	00

FIG. 4

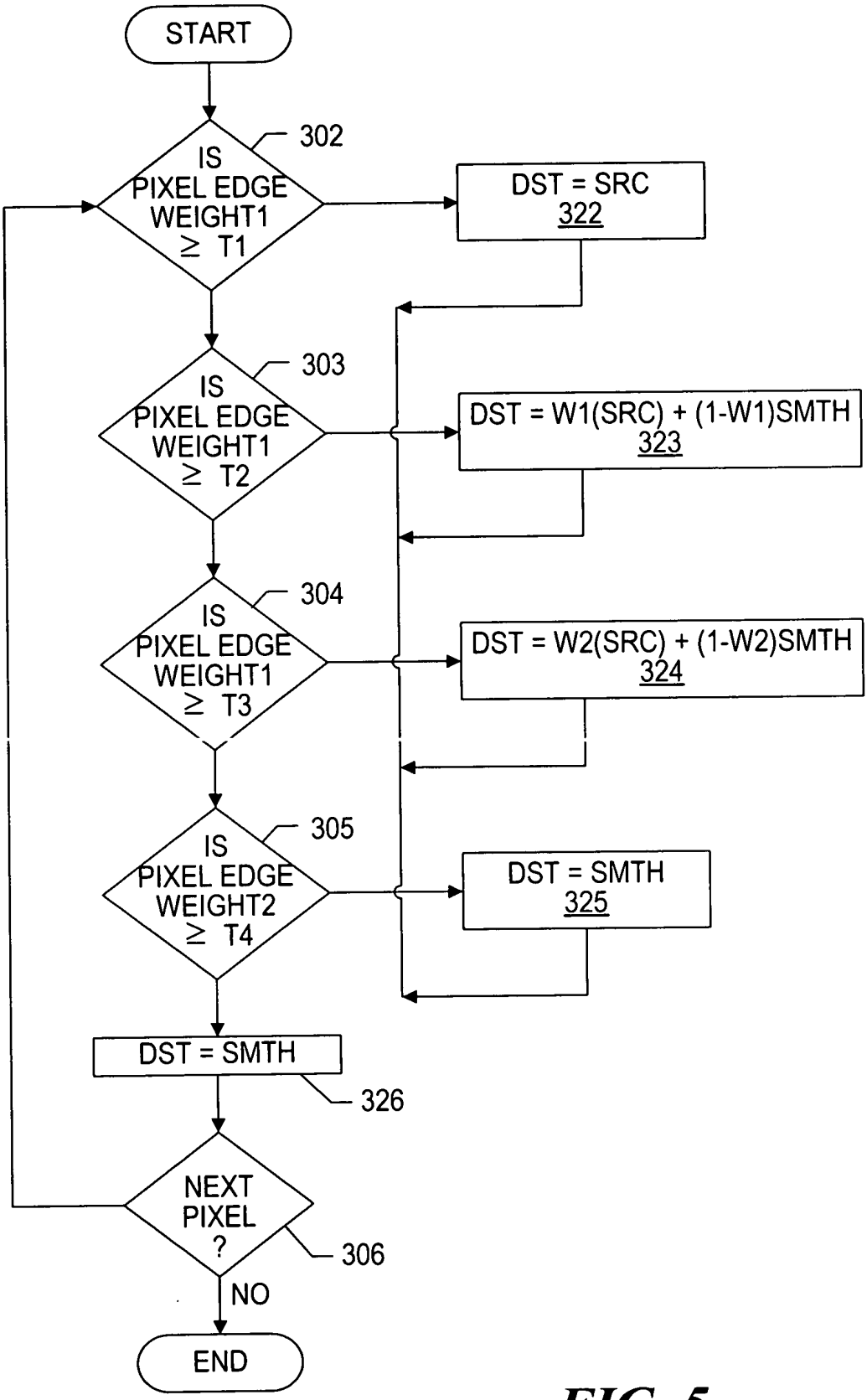
START
IS PIXEL EDGE WEIGHT1 ≥ T1
302
DST = SRC 322
IS PIXEL EDGE WEIGHT1 ≥ T2
303
DST = W1(SRC) + (1-W1)SMTH 323
IS PIXEL EDGE WEIGHT1 ≥ T3
304
DST = W2(SRC) + (1-W2)SMTH 324
IS PIXEL EDGE WEIGHT2 ≥ T4
305
DST = SMTH 325
DST = SMTH
326
NEXT PIXEL ?
306
NO
END

FIG. 5

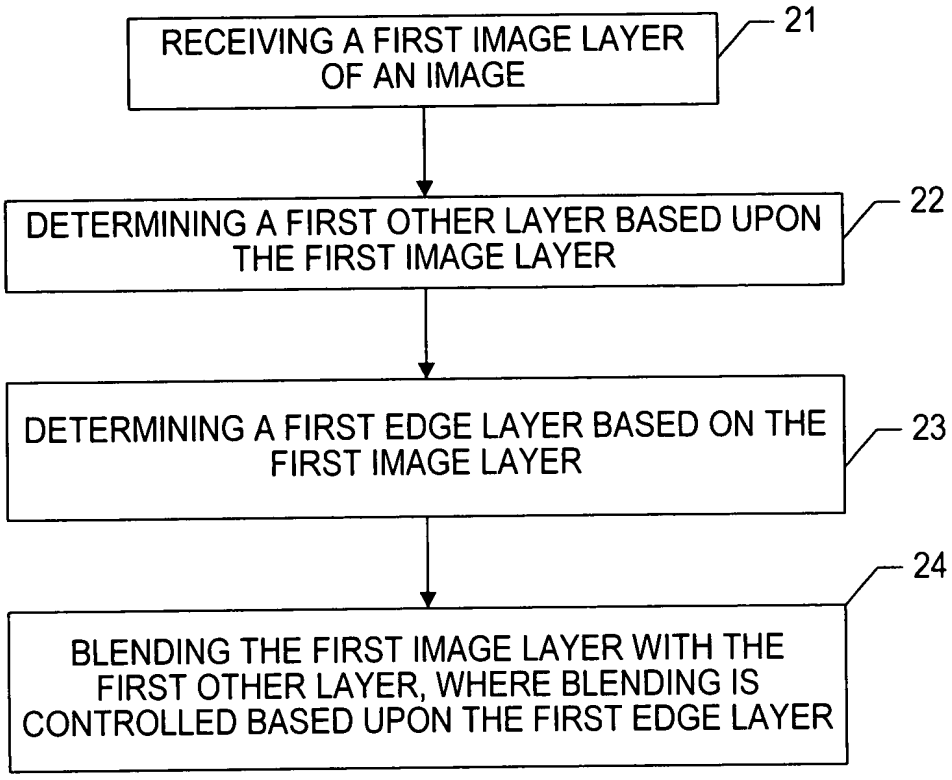
RECEIVING A FIRST IMAGE LAYER OF AN IMAGE
21
DETERMINING A FIRST OTHER LAYER BASED UPON THE FIRST IMAGE LAYER
22
DETERMINING A FIRST EDGE LAYER BASED ON THE FIRST IMAGE LAYER
23
BLENDING THE FIRST IMAGE LAYER WITH THE FIRST OTHER LAYER, WHERE BLENDING IS CONTROLLED BASED UPON THE FIRST EDGE LAYER
24

FIG. 6

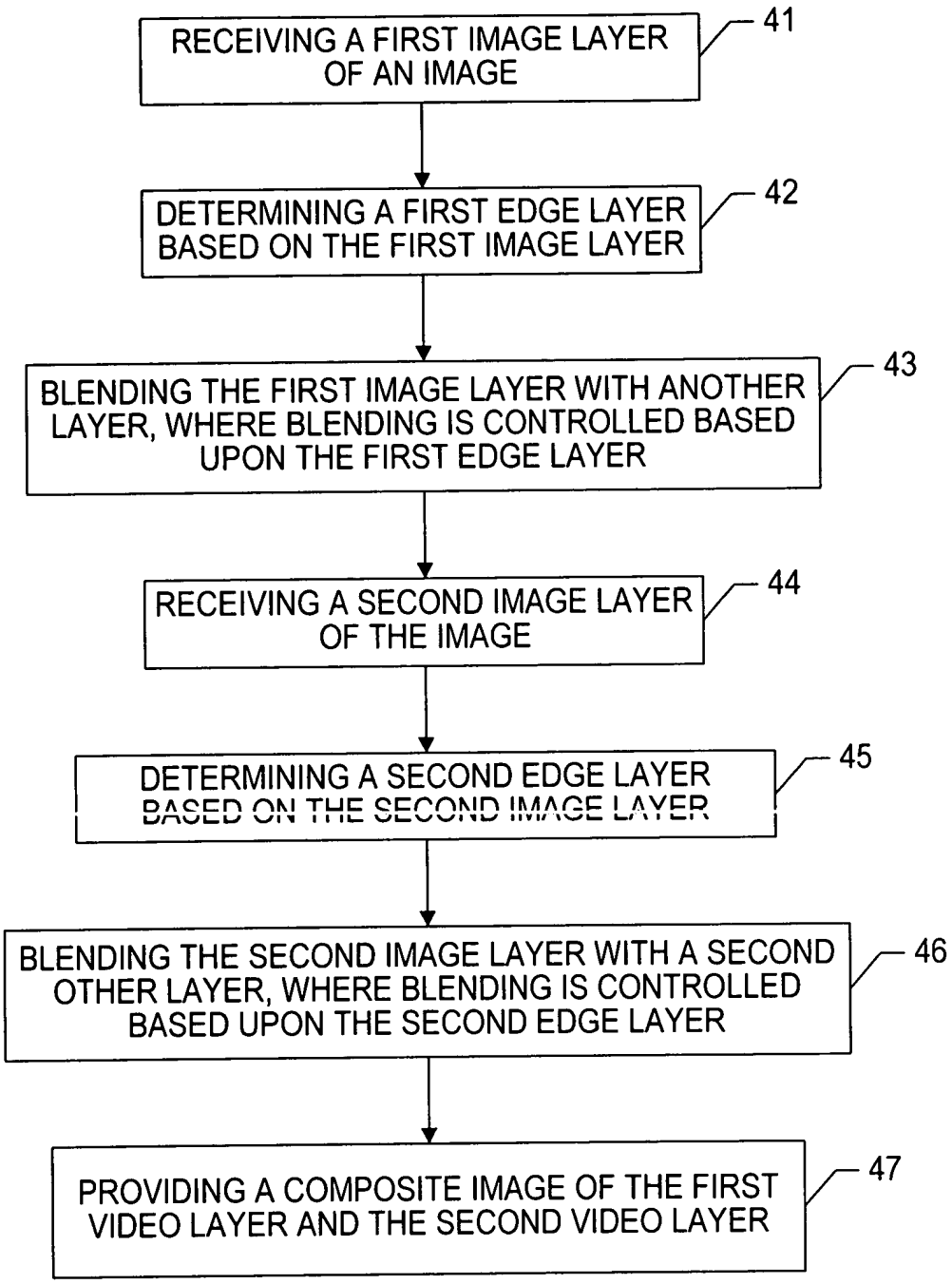
RECEIVING A FIRST IMAGE LAYER OF AN IMAGE
41
DETERMINING A FIRST EDGE LAYER BASED ON THE FIRST IMAGE LAYER
42
BLENDING THE FIRST IMAGE LAYER WITH ANOTHER LAYER, WHERE BLENDING IS CONTROLLED BASED UPON THE FIRST EDGE LAYER
43
RECEIVING A SECOND IMAGE LAYER OF THE IMAGE
44
DETERMINING A SECOND EDGE LAYER BASED ON THE SECOND IMAGE LAYER
45
BLENDING THE SECOND IMAGE LAYER WITH A SECOND OTHER LAYER, WHERE BLENDING IS CONTROLLED BASED UPON THE SECOND EDGE LAYER
46
PROVIDING A COMPOSITE IMAGE OF THE FIRST VIDEO LAYER AND THE SECOND VIDEO LAYER
47

FIG. 7

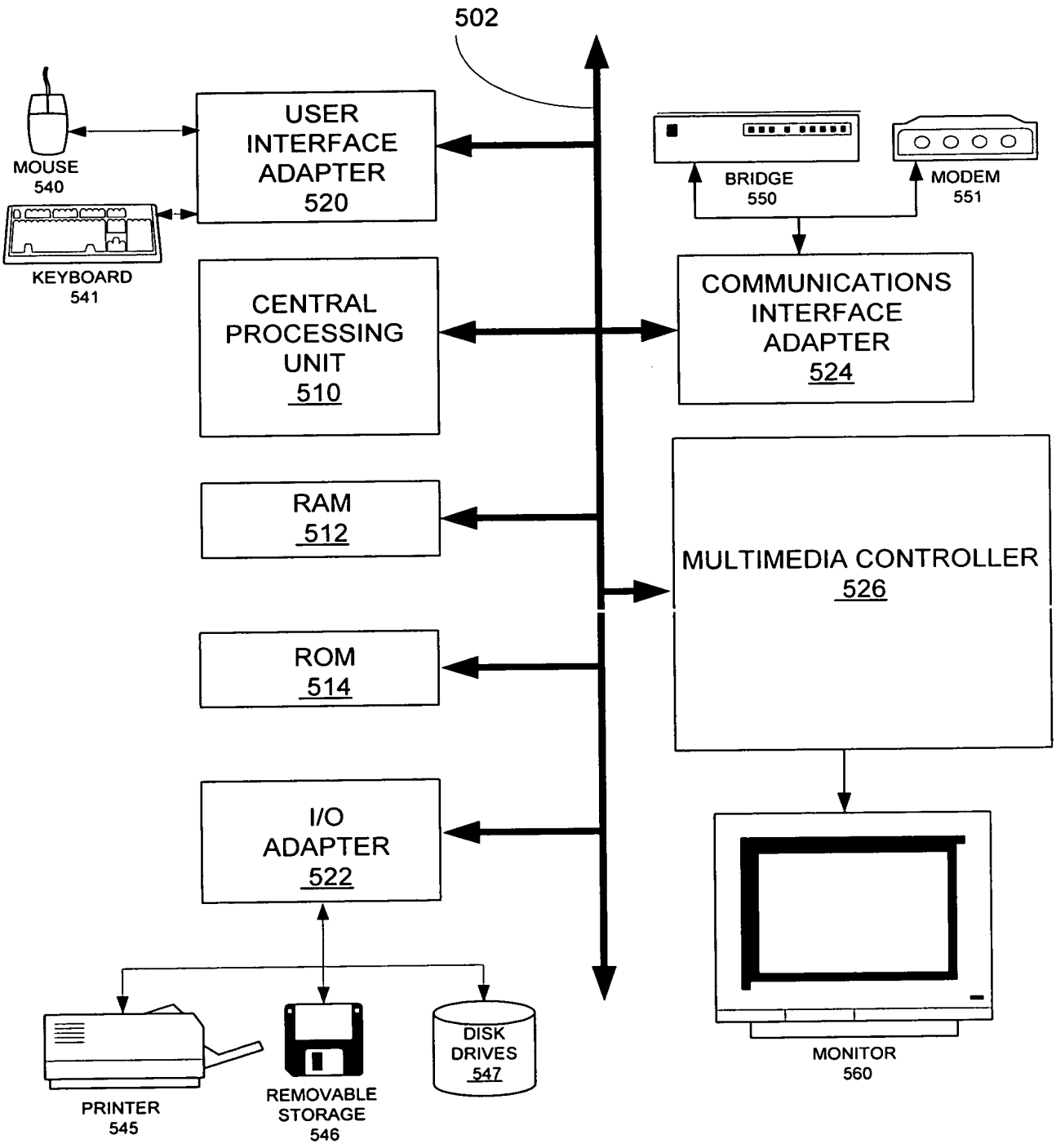
500
502
USER INTERFACE ADAPTER 520
MOUSE 540
KEYBOARD 541
CENTRAL PROCESSING UNIT 510
RAM 512
ROM 514
I/O ADAPTER 522
PRINTER 545
REMOVABLE STORAGE 546
DISK DRIVES 547
BRIDGE 550
MODEM 551
COMMUNICATIONS INTERFACE ADAPTER 524
MULTIMEDIA CONTROLLER 526
MONITOR 560

FIG. 8